

Work Order ID 93779

December 5, 2012 1:41:03 PM

647.9315

93779

Page 1

Item ID: 647.9315

B 93779

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Receptacle Bracket

Start Date: 11/26/12 Start Qty: 10.00

10

Required Date: 12/14/12 Req'd Qty: 10.00

10

Reference:

Cust Item ID:

Customer:

Approvals: Process Plan:

Date: 12/6/12 Tooling:

Run Start *NR1*

QC:

Date: SPC (Y/N):

Stop *NR2*

Work Order ID	Description	Run Hours	Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr

Revision Nbr

647.9300

100

0.00

100

Bandsaw

Memo

0.00

Jeaspa Bandsaw

CUT AT 6.25" LONG

12-12-20

10

110

0.00

110

Outsources

Memo

0.00

Outsource process - Machining

ISSUE P/O: 18599
POSSIBLE SUPPLIER: ARCHER PRECISION

Certificate of conformaty required

12-6-12

115

Receiv & Inspect for Damage & Mat'l Certs

0.00

115

Packaging

Memo

0.00

Packaging

43/1/9 (10)

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data <input type="checkbox"/>											
Equip/Tooling <input type="checkbox"/>											
Operator <input type="checkbox"/>											
Material <input type="checkbox"/>											
Setup <input type="checkbox"/>											
Other <input type="checkbox"/>											
Process <input type="checkbox"/>											
Supplier <input type="checkbox"/>											
Training <input type="checkbox"/>											
Unapproved <input type="checkbox"/>											
FAULT CATEGORY											
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube			General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio			<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions			<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other		

Work Order ID 93779

93779

Page 2

December 5, 2012 1:41:03 PM

Item ID: 647.9315

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Receptacle Bracket

Start Date: 11/26/12 Start Qty: 10.00 ***10***

Cust Item ID:

Required Date: 12/14/12 Req'd Qty: 10.00 ***10***

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Seq#
Work Center ID

Description

Set Up/
Run Hours

Code	Accept Qty	Reject Qty	Reject Number	Exp. Stamp
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117

QC6- Inspect dimensions to drawing

0.00

117

QC

Memo

0.00

Quality Control

137.10

9

1

PTO

118

0.00

118

HandFinish

Memo

0.00

Hand Finishing

REMOVE ALL PART MARKINGS

W/AS

120

0.00

120

Outsource4

Memo

0.00

Outsource process - Anodize

HARD ANODIZE IAW MIL-A-8625 TYPE 3
COLOUR BLACK

PTO 20518

CZ13107110

NCR: ☒ Yes / ☐ No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: Date: 13/08/06QA Closed: Date: 13/7/26

Work Order: <u>93775</u>	DISPOSITION Rework <input type="checkbox"/> Scrap <input checked="" type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS			
Part No. <u>647-9315</u>		Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>
NCR No. <u>13-2890</u>		Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>
		Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>
		Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input checked="" type="checkbox"/>	

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data									
Equip/Tooling	13-7-16	110	1	the part had a few programming issues, it was the first time they ran that part	DAS 16 9-89	Destroyed NCR replace	DAS 16 9-89	DAS 16 9-89	DAS 16 9-89
Operator					022042		13-7-0	13/07/10	022042
Material					13/07/10				13/07/10
Setup				part scrap QTV0	S12	\$385.64			
Other				R. supply issue					
Process									
Supplier									
Training									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions	<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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R. supply issues / email
A. H. H. H.

Work Order ID 93779***93779***

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Item ID: 647.9315

Accept

N9000040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Receptacle Bracket

Start Date: 11/26/12 Start Qty: 10.00

10

Cust Item ID:

Required Date: 12/14/12 Req'd Qty: 10.00

10

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool #

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

Receive & Inspect for Damage & Mat'l Certs

0.00

130

Packaging

Memo

0.00

Packaging

IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV

43/12/24 (9)

140

QC5- Inspect part completeness to step on W/O

0.00

140

QC

Memo

0.00

Quality Control

W/A

150

Spray Painting per QSI005 4.2

0.00

150

SprayPaint

Memo

0.00

Spray Painting

PRIME AS PER DWG NOTE #2

*0213/107111**ATC*

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data <input type="checkbox"/>											
Equip/Tooling <input type="checkbox"/>											
Operator <input type="checkbox"/>											
Material <input type="checkbox"/>											
Setup <input type="checkbox"/>											
Other <input type="checkbox"/>											
Process <input type="checkbox"/>											
Supplier <input type="checkbox"/>											
Training <input type="checkbox"/>											
Unapproved <input type="checkbox"/>											

FAULT CATEGORY				
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions	<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other	

Work Order ID 93779

93779

Page 4

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Item ID: 647.9315

Accept

N9000040100

Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Receptacle Bracket

Start Date: 11/26/12 Start Qty: 10.00 ***10***

Cust Item ID:

Required Date: 12/14/12 Req'd Qty: 10.00 ***10***

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

See en:
 Work Center ID

Description

Set Up
Run Hours

Tool #

Plan

Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

160

QC14- Inspect Spray Paint

0.00

160

QC

Quality Control

Memo

0.00

170

Identify as per dwg & Stock Location: ST521

0.00

170

Packaging

Memo

0.00

Packaging

180

Identify as per dwg & Stock Location:

0.00

180

Packaging

Memo

0.00

Packaging

IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV

10X M.D. 13-07-24

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data <input type="checkbox"/>											
Equip/Tooling <input type="checkbox"/>											
Operator <input type="checkbox"/>											
Material <input type="checkbox"/>											
Setup <input type="checkbox"/>											
Other <input type="checkbox"/>											
Process <input type="checkbox"/>											
Supplier <input type="checkbox"/>											
Training <input type="checkbox"/>											
Unapproved <input type="checkbox"/>											

FAULT CATEGORY				
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions	<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge	<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other

Work Order ID 93779

93779

Page 5

December 5, 2012 1:41:03 PM

Item ID: 647.9315

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Receptacle Bracket

Start Date: 11/26/12 Start Qty: 10.00

10

Cust Item ID:

Required Date: 12/14/12 Req'd Qty: 10.00

10

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start

NR1

Stop

NR2

Seq#

Oper

Work Center ID

Description

190

QC21- Final Inspection - Work Order Release

0.00

190

QC

Memo

0.00

Quality Control

Code	Qty	Reject Qty	Reject Number	Stamp

13/8/2012

MF
13-7-24

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data <input type="checkbox"/>											
Equip/Tooling <input type="checkbox"/>											
Operator <input type="checkbox"/>											
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Setup <input type="checkbox"/>											
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Process <input type="checkbox"/>											
Supplier <input type="checkbox"/>											
Training <input type="checkbox"/>											
Unapproved <input type="checkbox"/>											
FAULT CATEGORY											
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube			General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio			<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions			<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other		

Picklist Print

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Page 1

Work Order ID: 93779
Parent Item: 647.9315
Parent Item Name: Receptacle Bracket

Start Date: 11/26/12
Start Qty: 10.00
Required Date: 12/14/12
Required Qty: 10.00

Comments: IPP REV:A NEW ISSUE 12-11-19 JLM VERIFIED BY:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
647.9315P Receptacle Bracket		Purchased	No				Each	0.0000		10		12/3/12 (10)	
M7075T6B3.000X7.500 7075-T6 BAR 3.000" X 7.500"		Purchased	No				f	0.0000		1.2191489			

M124030

5.4 @ 12-12-20

7.8 missing

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data <input type="checkbox"/>											
Equip/Tooling <input type="checkbox"/>											
Operator <input type="checkbox"/>											
Material <input type="checkbox"/>											
Setup <input type="checkbox"/>											
Other <input type="checkbox"/>											
Process <input type="checkbox"/>											
Supplier <input type="checkbox"/>											
Training <input type="checkbox"/>											
Unapproved <input type="checkbox"/>											

FAULT CATEGORY				
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions	<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge	<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03209				SHEET 1 OF 2	
	DWG NO. 647.9300	REV: N/C	PREPARED BY A. QUAN	DATE: 11/09/11	EFFECT ON DWG <input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC.	
	DWG TITLE: BRACKET					
	APPROVED BY: ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER AND STOCK		
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: REVISED HOLE LOCATIONS ON 647.9314, ADDED HOLE 647.9315					

SHEET 1, ZONE B3:

NOTES: UNLESS OTHERWISE SPECIFIED

△ MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-25012.

△ FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE II, CLASS 2, COLOR: BLACK;
PRETREAT PR-141 ADHESION PROMOTER, PRIME IAW MIL-P-33773 TYPE I, CLASS N.

2 DEBURR AND BREAK ALL SHARP EDGES

4 IDENTIFY IAW MPP-120 LASER ENGRAVE CENTURY 60THIC, 12 POINT P/N AND REVISION

△ PART DIMENSIONS CONTROLLED BY CAD MODEL FILE 647.9310 LH BRACKET SLEPRT, LAST MODIFIED 06-22-10

△ PART DIMENSIONS CONTROLLED BY CAD MODEL FILE 647.9311 SUPPORT BRACKET SLEPRT, LAST MODIFIED 06-22-10

△ PART DIMENSIONS CONTROLLED BY CAD MODEL FILE 647.9312 BRACKET SLEPRT, LAST MODIFIED 06-22-10

△ PART DIMENSIONS CONTROLLED BY CAD MODEL FILE 647.9313 BRACKET SLEPRT, LAST MODIFIED 06-22-10

△ PART DIMENSIONS CONTROLLED BY CAD MODEL FILE 647.9314 RETAINER BRACKET SLEPRT, LAST MODIFIED 09-26-11

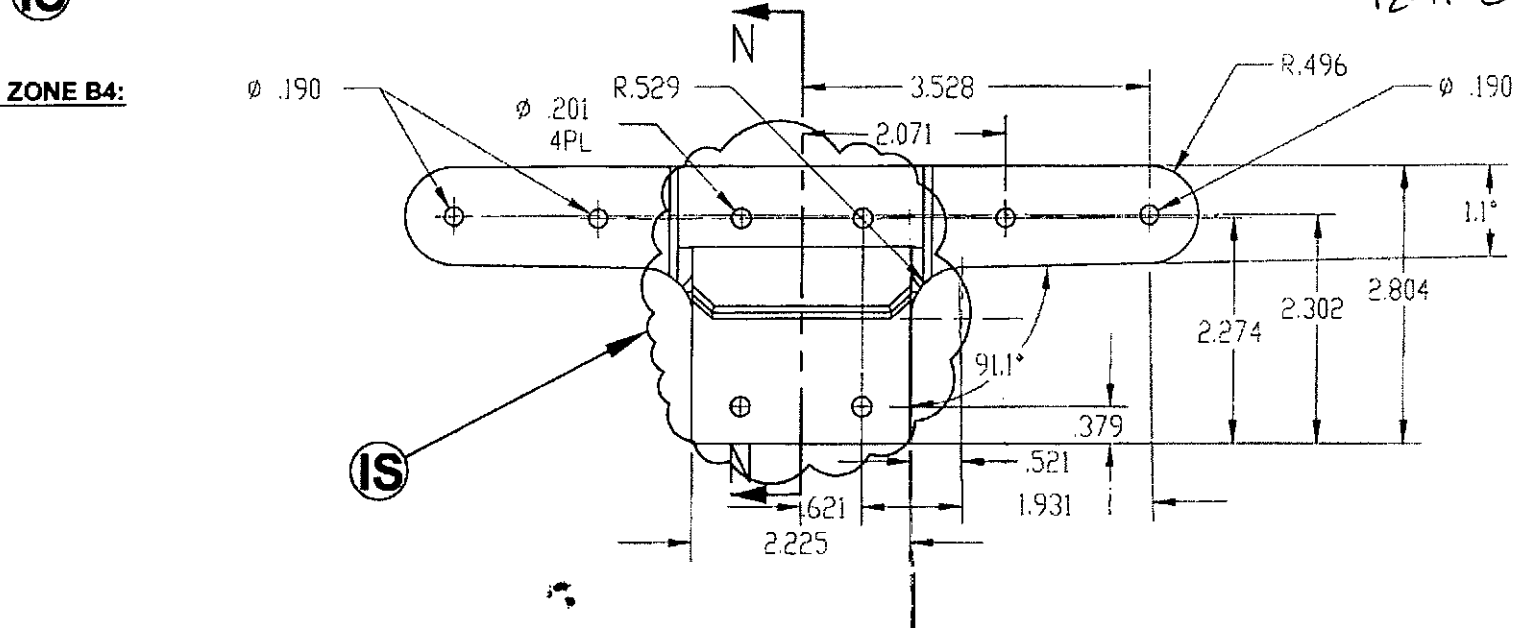
△ PART DIMENSIONS CONTROLLED BY CAD MODEL FILE 647.9315 RECEPTACLE BRACKET SLEPRT, LAST MODIFIED 10-19-11

△ PART DIMENSIONS CONTROLLED BY CAD MODEL FILE 647.9316 LASERBAR BRACKET SLEPRT, LAST MODIFIED 06-22-10

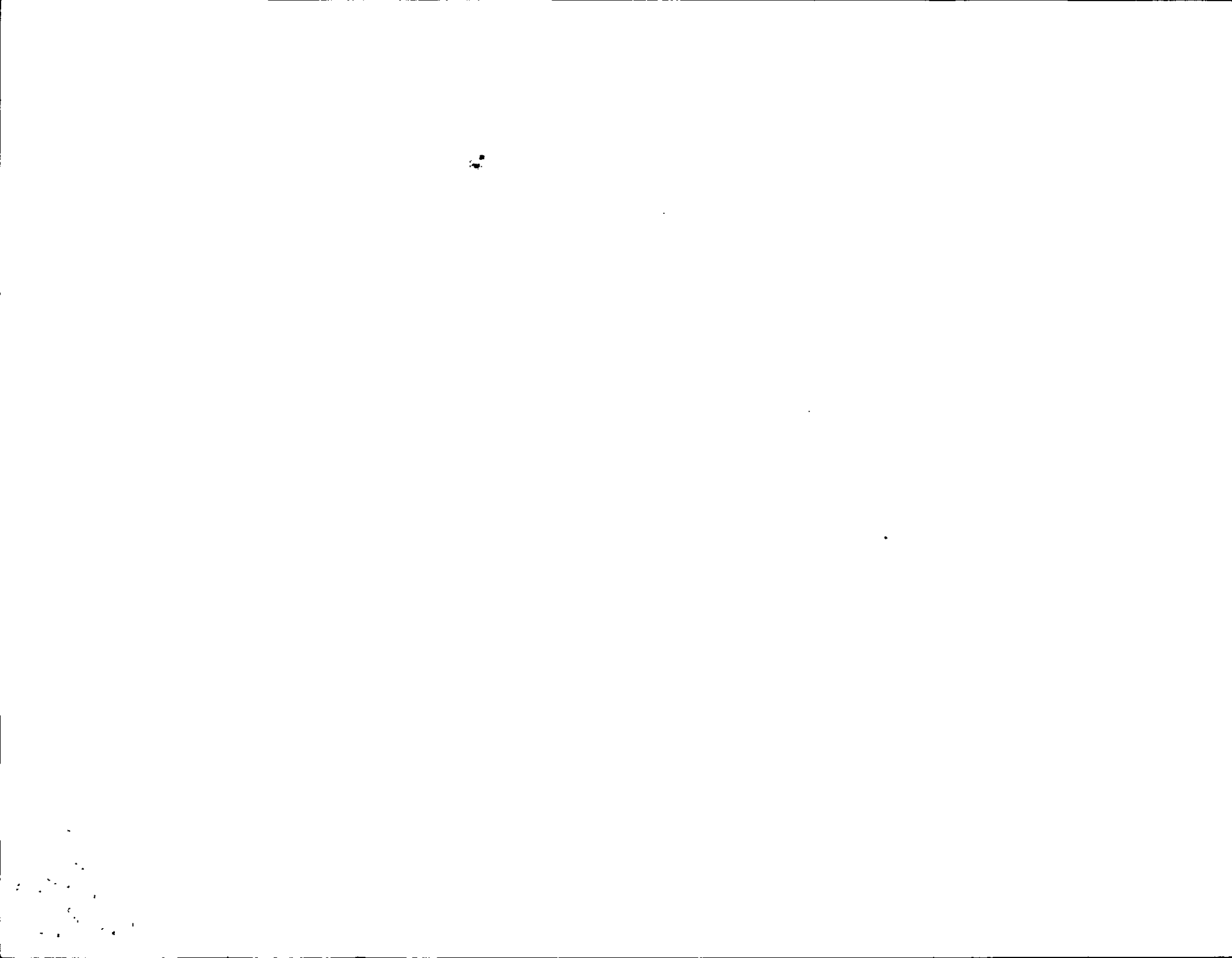
△ PART DIMENSIONS CONTROLLED BY CAD MODEL FILE 647.9317 RH BRACKET SLEPRT, LAST MODIFIED 06-22-10

SHOP
REF: 10-11-27
ENGINEER: [Signature]
UNCON: R1
SUBJECT: [Signature]
DATE: 12-11-27
NO. 93779 MJS
12-11-27

SHEET 7, ZONE B4:



F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:				<input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRUC <input type="checkbox"/> ICA <input type="checkbox"/> BOM	CHANGE CATEGORY <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR	DER REVIEW REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO



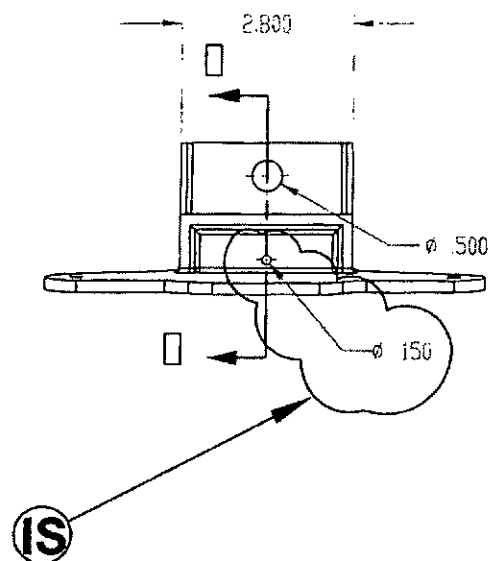
93779

APICAL INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO. 03209

SHEET 2 OF 2

SHEET 8, ZONE B5:



F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION

93779

THE INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE
 UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE
 UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE

NOTES: UNLESS OTHERWISE SPECIFIED

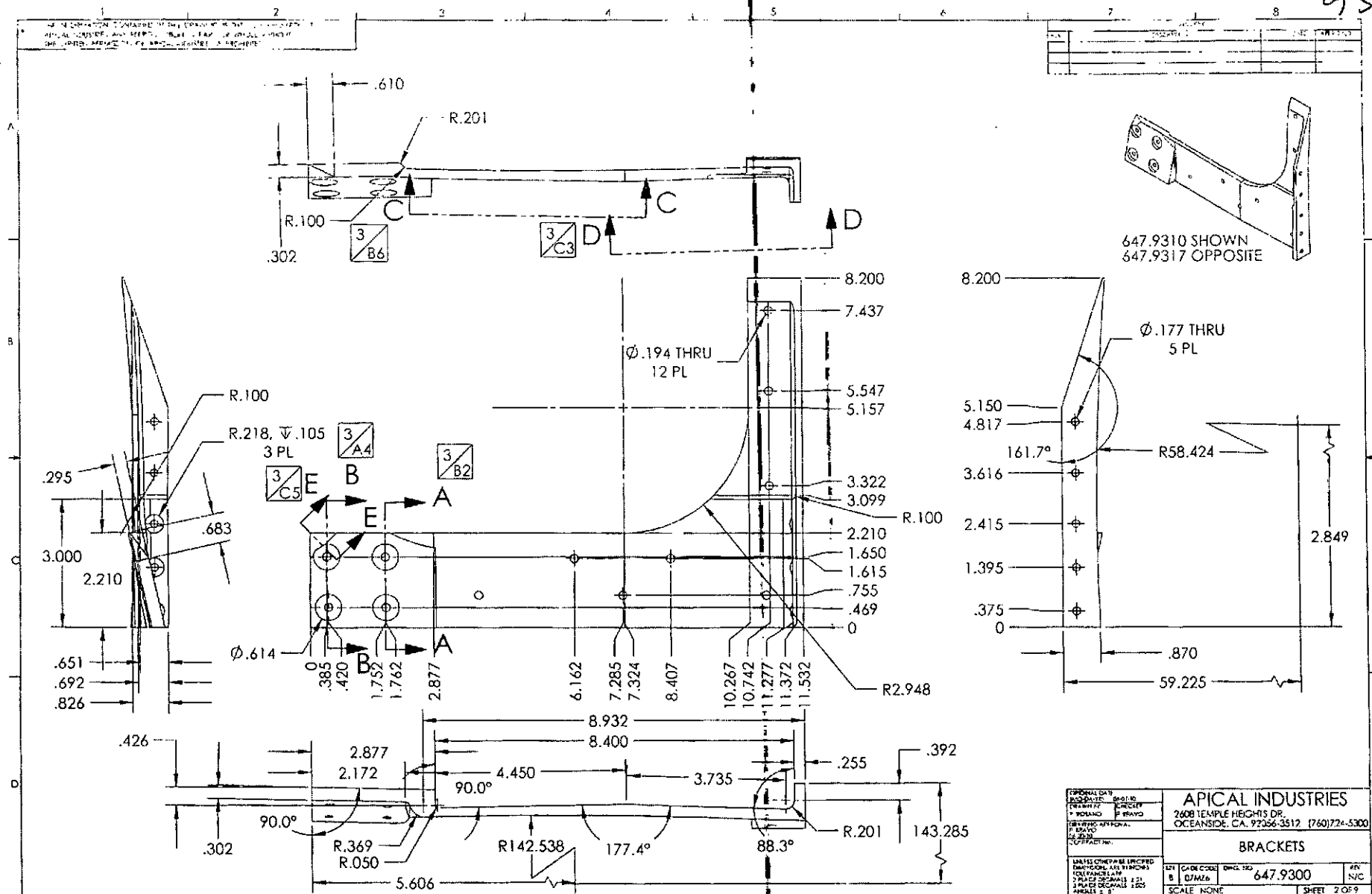
1. MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12.
2. FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III, CLASS 2. COLOR: BLACK;
 PRETREAT PR-148 ADHESION PROMOTER, PRIME IAW MIL-P-23377J TYPE I, CLASS N.
3. DEBURR AND BREAK ALL SHARP EDGES.
4. IDENTIFY IAW MPP-120. LASER ENGRAVE CENTURY GOTHIC, 12 POINT P/N AND REVISION.
5. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9310 LH BRACKET.SLDPRT, LAST MODIFIED 06-22-10.
6. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9311 SUPPORT BRACKET.SLDPRT, LAST MODIFIED 06-22-10.
7. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9312 BRACKET.SLDPRT, LAST MODIFIED 06-22-10.
8. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9313 BRACKET.SLDPRT, LAST MODIFIED 06-22-10.
9. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9314 RETAINER BRACKET.SLDPRT, LAST MODIFIED 06-22-10.
10. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9315 RECEPTACLE BRACKET.SLDPRT, LAST MODIFIED 06-22-10.
11. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9316 CROSSBAR BRACKET.SLDPRT, LAST MODIFIED 06-22-10.
12. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9317 RH BRACKET.SLDPRT, LAST MODIFIED 06-22-10.

UNINCORPORATED ECN(s)

03209

	647.9317	RH BRACKET	△	△	△																																
	647.9316	CROSSBAR BRACKET	△	△	△																																
	647.9315	RECEPTACLE BRACKET	△	△	△																																
	647.9314	RETAINER BRACKET	△	△	△																																
	647.9313	BRACKET	△	△	△																																
	647.9312	BRACKET	△	△	△																																
	647.9311	SUPPORT BRACKET	△	△	△																																
	647.9310	LH BRACKET	△	△	△																																
	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.																																
QTY	PARTS LIST																																				
NEXT ASSY (S)	<table border="1"> <tr> <td>ORGANIZATION</td> <td>DATE</td> <td>BY</td> <td>CHKD</td> </tr> <tr> <td>DESIGNED BY</td> <td></td> <td></td> <td></td> </tr> <tr> <td>DRAWN BY</td> <td></td> <td></td> <td></td> </tr> <tr> <td>APP'D BY</td> <td></td> <td></td> <td></td> </tr> <tr> <td>DATE</td> <td></td> <td></td> <td></td> </tr> <tr> <td>BY</td> <td></td> <td></td> <td></td> </tr> <tr> <td>DATE</td> <td></td> <td></td> <td></td> </tr> <tr> <td>BY</td> <td></td> <td></td> <td></td> </tr> </table>					ORGANIZATION	DATE	BY	CHKD	DESIGNED BY				DRAWN BY				APP'D BY				DATE				BY				DATE				BY			
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647.8900	<table border="1"> <tr> <td colspan="2">APICAL INDUSTRIES</td> <td colspan="2">2508 TEMPLE HEIGHTS DR.</td> </tr> <tr> <td colspan="2"></td> <td colspan="2">OCEANSIDE, CA. 92036-3512 (760)724-5300</td> </tr> <tr> <td colspan="2"></td> <td colspan="2">BRACKETS</td> </tr> <tr> <td>REV</td> <td>DATE</td> <td>BY</td> <td>CHKD</td> </tr> <tr> <td>07/21/16</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2">SCALE: NONE</td> <td colspan="2">SHEET 1 OF 9</td> </tr> </table>					APICAL INDUSTRIES		2508 TEMPLE HEIGHTS DR.				OCEANSIDE, CA. 92036-3512 (760)724-5300				BRACKETS		REV	DATE	BY	CHKD	07/21/16				SCALE: NONE		SHEET 1 OF 9									
APICAL INDUSTRIES		2508 TEMPLE HEIGHTS DR.																																			
		OCEANSIDE, CA. 92036-3512 (760)724-5300																																			
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REV	DATE	BY	CHKD																																		
07/21/16																																					
SCALE: NONE		SHEET 1 OF 9																																			
		<table border="1"> <tr> <td>SEE LEAD CODE</td> <td>DWG NO.</td> </tr> <tr> <td>B 07/21/16</td> <td>647.9300</td> </tr> </table>	SEE LEAD CODE	DWG NO.	B 07/21/16	647.9300																															
SEE LEAD CODE	DWG NO.																																				
B 07/21/16	647.9300																																				

93779

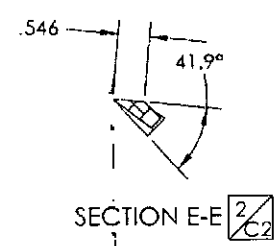
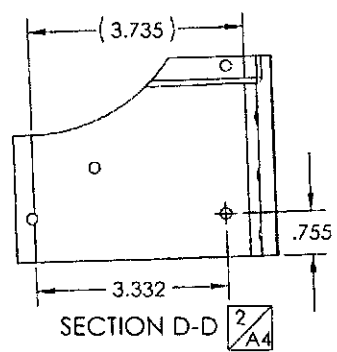
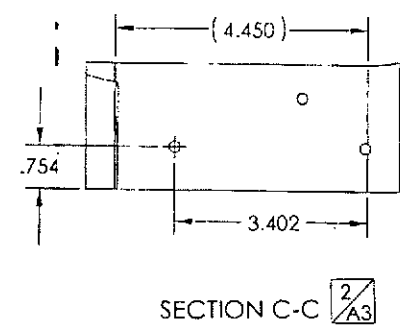
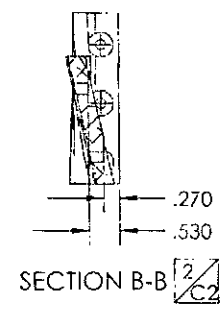
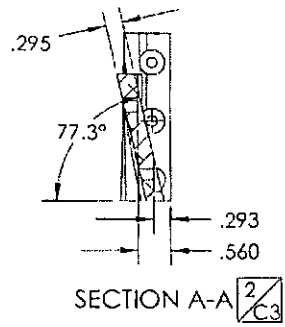


APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
BRACKETS	
DESIGNED BY: [blank] DRAWN BY: [blank] CHECKED BY: [blank] APPROVED BY: [blank]	DATE: [blank] SCALE: NONE
PARTS CHECKED BY: [blank] TOLERANCES: .015 2 PLACES DECIMALS 1/16 3 PLACES DECIMALS 1/32 ANGLES: 1/4°	SHEET: 2 OF 9

93779

1 2 3 4 5 6 7 8
 ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE IN INCHES
 DIMENSIONS IN PARENTHESES ARE IN MILLIMETERS
 DIMENSIONS IN BRACKETS ARE IN METERS

REV	DESCRIPTION	DATE	BY



DRAWN BY: [blank] CHECKED BY: [blank] DESIGNED BY: [blank] DATE: [blank]		APICAL INDUSTRIES 2808 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760) 724-5300	
PROJECT: [blank] DRAWING: [blank]		BRACKETS	
PARTS OF DRAWING SHOWN: 1. DRAWING SHEET 2. PARTS LIST 3. PLACES OF INSTALLATION 4. PLACES OF REMOVAL		SET: [blank] B: 07/1/26	DWG. NO: 647.9300 REV: [blank]
SCALE: NONE		SHEET: 3 OF 9	

THE INFORMATION CONTAINED IN THIS DOCUMENT IS UNCLASSIFIED
DATE 08-19-2007 BY 60322 UCBAW/SJS/KSP

Technical drawing of a mechanical part, likely a shaft or rod, showing dimensions and features. The part has a central section with a diameter of .201 THRU 10 PL. The left end has a .25X45° CHAM. 4 PL. and a .406 dimension. The right end has a .386 dimension. The total length is 2.500. The part is labeled with 'G' and 'H' at the ends and '647.9311' on the right.

SECTION F-F

SECTION F-F

Technical drawing of a mechanical part, likely a bracket or support, showing dimensions and forces.

Dimensions:

- Total width: 16.750
- Central slot width: 10.875
- Height: 142.062
- Top surface angle: 42.6°
- Radius: R142.059
- Horizontal distance from left edge to center of slot: 10.875
- Horizontal distance from center of slot to right edge: 10.875
- Horizontal distance from left edge to start of slot: 5.875
- Horizontal distance from end of slot to right edge: 5.875

Forces:

- Two forces, labeled F , are applied horizontally to the inner vertical surfaces of the central slot.

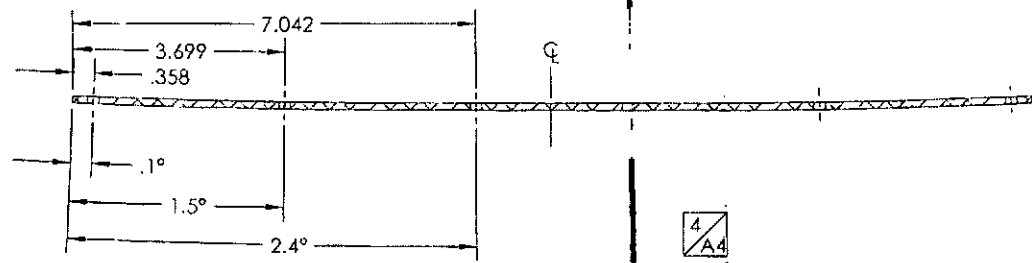
The drawing includes break lines to indicate that the part is longer than shown.

[illegible]

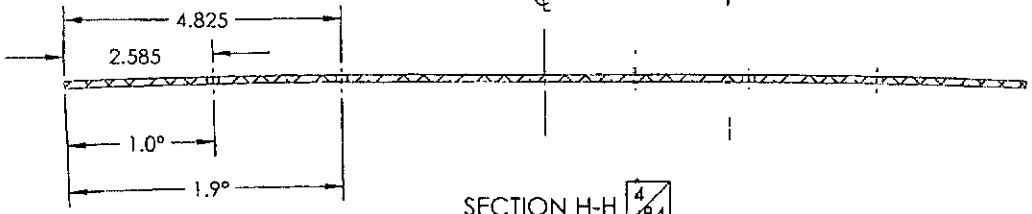
93779

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REV	DESCRIPTION	DATE	BY



SECTION G-G

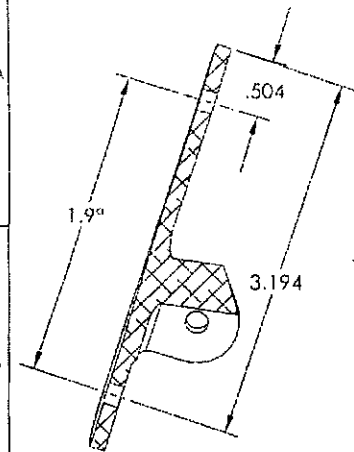


SECTION H-H

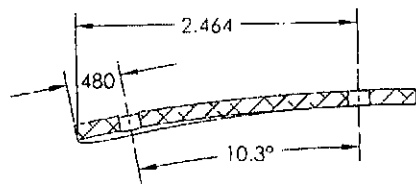
APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
BRACKETS	
GENERAL DATA DESIGNED BY: J. JOHNSON DRAWN BY: J. JOHNSON CHECKED BY: J. JOHNSON DATE: 10/1/88	PART NUMBER: 647.9300 SCALE: NONE SHEET: 5 OF 6

93779

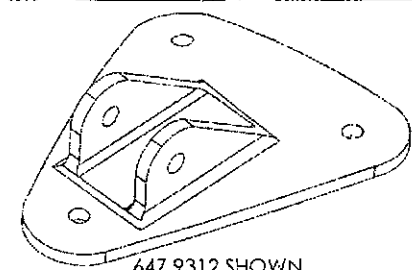
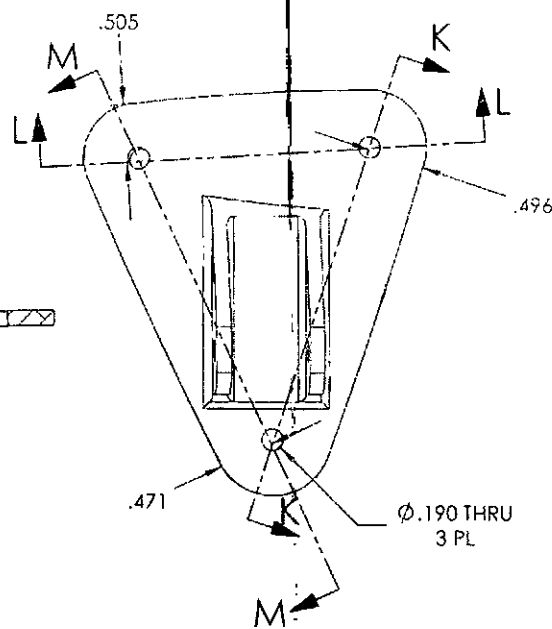
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES AND IT IS TO BE USED FOR THE PROJECT AND FOR THE WORK SPECIFICALLY IDENTIFIED HEREON. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.



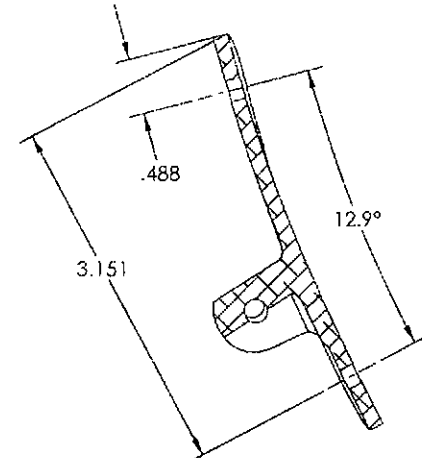
SECTION K-K



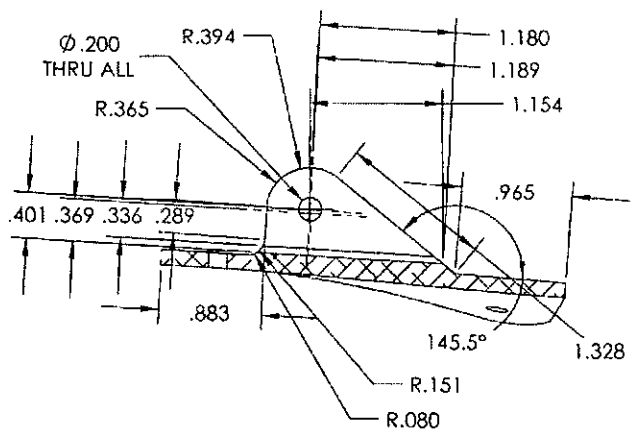
SECTION L-L



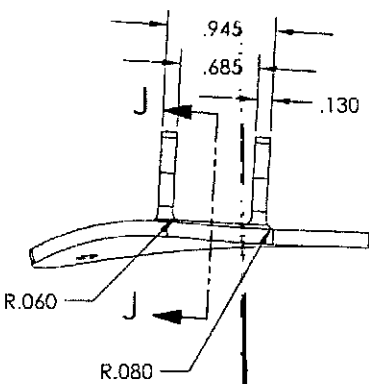
647.9312 SHOWN
647.9313 OPPOSITE



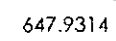
SECTION M-M



SECTION J-J

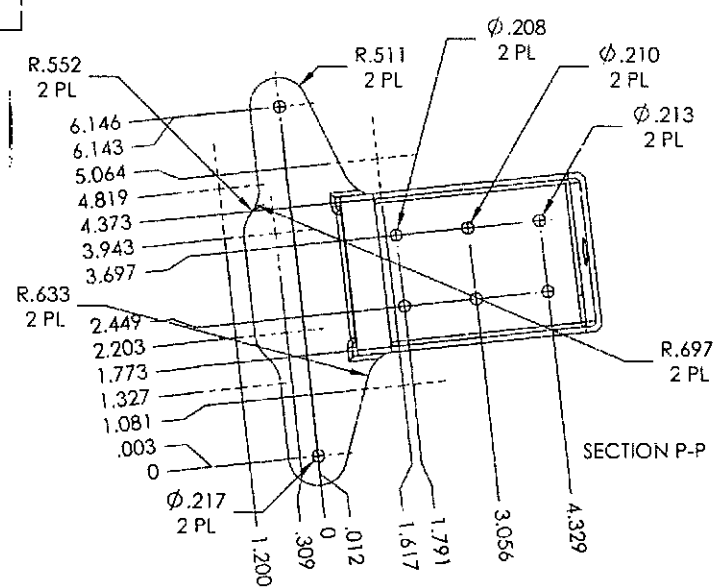
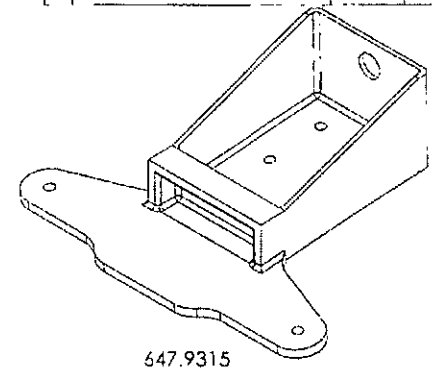
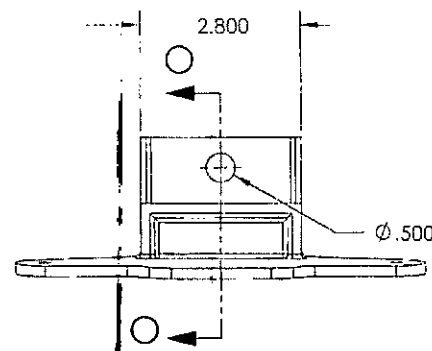
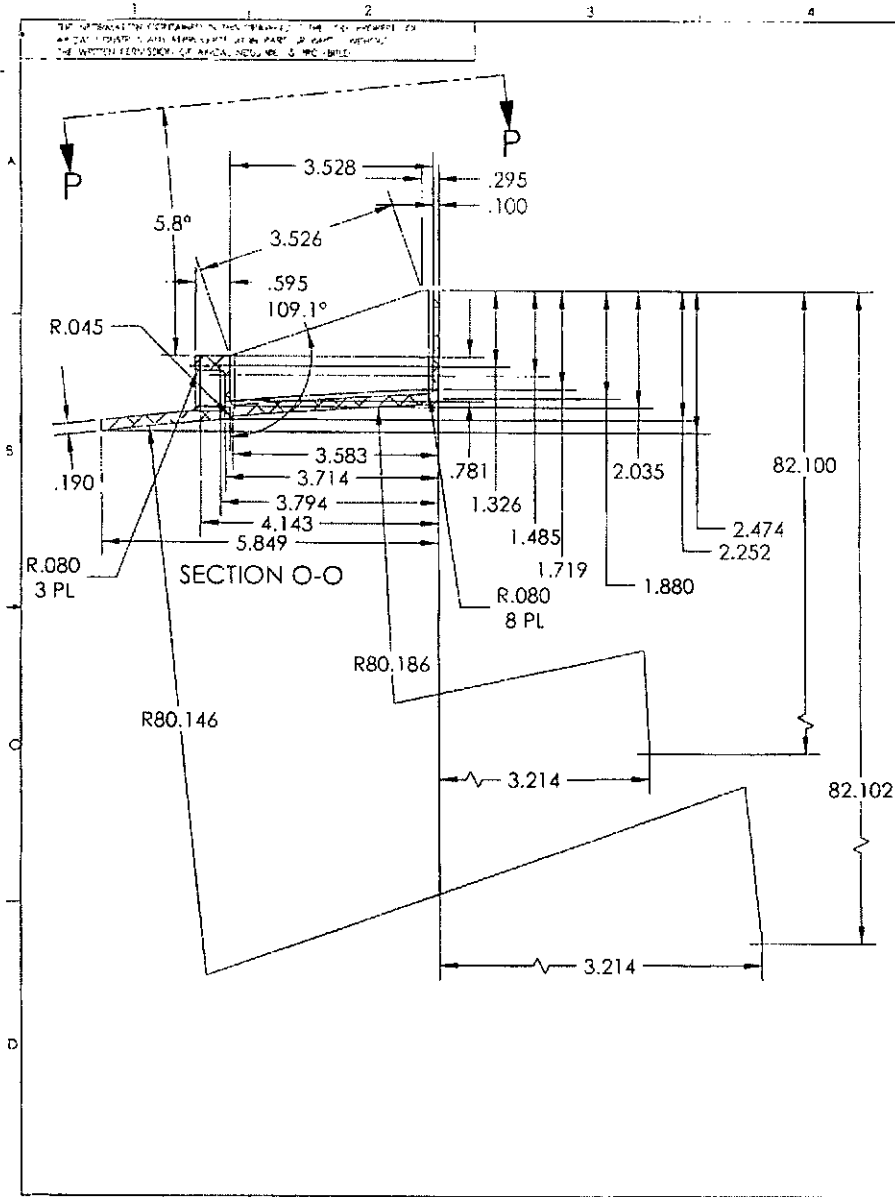


PARTS LIST			
DESCRIPTION	QUANTITY	UNIT	REMARKS
BRACKET	1	EA	
APICAL INDUSTRIES			
2608 IRVING HEIGHTS DR.			
OCEANSIDE, CA. 92056-3512			(760)724-5300
BRACKETS			
ITEM NO.	QTY	UNIT	REMARKS
647.9300	1	EA	
SCALE: NONE			SHEET: 6 OF 6

[illegible]

CONTRACT NO. PROJECT TYPE DRAFTER BY DATE PROJECT APPROVAL PROJECT NO. CONTRACTING	APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA 92056-3517 (760)724-5300															
	BRACKETS															
BRACKETS OVERSHOE SPECIFICATIONS DRAWING NO. AND PROJECT NO. 2 BRACKETS OVERSHOE 100 1 BRACKET OVERSHOE 100 1 BRACKET OVERSHOE 100 1 BRACKET OVERSHOE 100	<table border="1"><tr><td>REV</td><td>CHANGE CODE</td><td>DATE</td><td>NO.</td><td>REV</td></tr><tr><td>B</td><td>07/24/04</td><td>647.9300</td><td></td><td>N/C</td></tr><tr><td colspan="4">SCALE NONE</td><td>SHEET 7 OF 8</td></tr></table>	REV	CHANGE CODE	DATE	NO.	REV	B	07/24/04	647.9300		N/C	SCALE NONE				SHEET 7 OF 8
REV	CHANGE CODE	DATE	NO.	REV												
B	07/24/04	647.9300		N/C												
SCALE NONE				SHEET 7 OF 8												

93739



APICAL INDUSTRIES 7608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92054-3512 (760)724-5300	
BRACKETS	
222 CAD/CAM B 07/26	DWD. NO. 647.9300
SCALE: NONE	SHEET: 8 OF 9

93779

THIS DRAWING IS A PART OF THE DESIGN OF THE STRUCTURE AND IS NOT TO BE USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN PERMISSION OF THE DESIGNER.

A

R.495
4 PL

R1.230
2 PL

R

R

3.220
2.729
2.215

1.705
0
.015

135.1° 135.1°

647.9316

B

0 .495 2.902 4.628 6.651 8.377

10.784 11.279

3.178

.087

.184

R82.304

82.303

.10 X 45 CHAM.
TYP.

SECTION Q-Q

5.242
3.705
2.169
.627

3.8° 2.7° 1.6° .6°

SECTION R-R

D

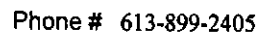
ORIGINAL DATE 06-11-78
DESIGNED BY C. F. CROSBY
CHECKED BY J. BRAND
APPROVED BY J. BRAND
DATE 06-11-78

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5330

BRACKETS

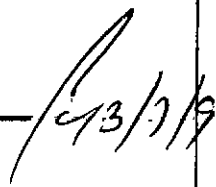
BASED ON THE FOLLOWING
DIMENSIONS ARE IN INCHES
UNLESS OTHERWISE SPECIFIED
TOLERANCES ARE AS FOLLOWS
FRACTIONS DECIMALS
ANGLES

DATE CODED BY DATE BY
B 07M16 647.9300 N/C
SCALE NONE SHEET 9 OF 9



Date	Invoice #
7/5/2013	586

P.O. No.	Ship	Via	FOB	Project
18599	7/5/2013	FedEx	Archer	

Qty	Item Code	Description
9 <u>1</u> 10	Sales Sales	647.9315 bracket 647.9315 NRE HST (ON) on sales
	<div style="text-align: center;">  6/3/19 </div>	



2228 Gladwin Cres.
Ottawa, Ont.
K1B 4S6

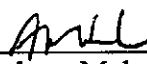
Telephone (613) 899-2405
Fax (613) 226-1719

Certificate of Compliance

To:
Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury Ont.
K6A 1K7

Po Number	Part Number	Quantities
18599	647.9315	9

It is hereby certified that all articles mentioned above are in conformance with the requirements, specification and drawings as listed on customer purchase order number, 18599 issued by Dart Aerospace Inc.



Andrew Malcolm
Inspector
Archer Precision Inc.
2228 Gladwin Cress.
Ottawa, Ontario
K1B 4S6



Inspection Report

Customer Name				QTY	DWG #	REV.	Part Name				Date	Lot#	Job #	
Dart Aerospace				9	647.9315	N/C	Brackets				July 5/13		674-9	
Page 1 of		Inspection Interval		Special Notes										
Item #	DWG. Dim	Tolerance	Operator First Off	QA First A R	QA Final A R	2	3	4	5	6	7	8	9	10
	Rev	N/C	N/C	✓										
	MAT	Supplie	✓	✓										
	SUB	None		✓										
	Deburr	Yes	✓	✓										
1	5.328	+/- .010	PP	✓										
2	0.295	+/- .010	PP	✓										
3	0.100	+/- .010	0.095	✓		0.085	0.075	0.092	0.092	0.092	0.091	0.092	0.093	
4	3.526	+/- .010	PP	✓										
5	5.8	+/- .5	PP	✓										
6	0.045	+/- .010	PP	✓										
7	0.595	+/- .010	0.591	✓		PP	PP	PP	PP	PP	PP	PP	PP	
8	109.1	+/- .5	109.008	✓										
9	0.190	+/- .010	0.187	✓		0.182	0.193	0.185	0.189	0.185	0.181	0.185	0.185	
10	0.080	+/- .010	PP	✓										
11	3 X	-	PP	✓										
12	5.849	+/- .010	5.855	✓		PP	PP	PP	PP	PP	PP	PP	PP	
13	4.143	+/- .010	PP	✓										
14	3.974	+/- .010	PP	✓										
15	3.714	+/- .010	PP	✓										
16	3.583	+/- .010	PP	✓										
17	0.781	+/- .010	PP	✓										
18	1.326	+/- .010	PP	✓										
19	1.485	+/- .010	PP	✓										
20	1.719	+/- .010	PP	✓										
21	2.035	+/- .010	PP	✓										
22	1.880	+/- .010	PP	✓										
23	0.080	+/- .010	PP	✓										

Date of Issue July, 13, 2005.

Date of Issue July,13,2005.

Chantal Lavoie

From: Alex Mazerolle <alex@archerprecision.ca>
Sent: Tuesday, July 09, 2013 2:00 PM
To: Chantal Lavoie
Subject: RE: Invoice 586 from Archer Precision Inc.

Good afternoon Chantal,
That part had a few programing issues. It was our first part that ran.

Alex Mazerolle

President
Tel: 613-226-1579
Fax: 613-226-1719

-----Original Message-----

From: Chantal Lavoie [<mailto:clavoie@dartaero.com>]
Sent: Tuesday, July 09, 2013 1:17 PM
To: Alex Mazerolle
Subject: RE: Invoice 586 from Archer Precision Inc.

Hi Alex,
Could you please advise in a brief description what happen to one of the
part for our QC inspector.(647.9315) one scrap Thanks Chantal

-----Original Message-----

From: Alex Mazerolle [<mailto:alex@archerprecision.ca>]
Sent: Friday, July 05, 2013 2:05 PM
To: Jean-Luc Menard; Chantal Lavoie
Cc: Dale Bates
Subject: Invoice 586 from Archer Precision Inc.

Dear Chantal :

Your invoice is attached. This is the final part for your PO 18599.
I believe we can finally close this out.

Thank you for your business - we appreciate it very much.

Sincerely,

Alex Mazerolle
President

Archer Precision Inc.
Alex@archerprecision.ca
613-899-2405

Eric Downing

From: Pablo Bravo
Sent: Wednesday, July 10, 2013 7:44 AM
To: Jean-Luc Menard
Cc: Eric Downing
Subject: RE: Part Finish

JL,

I think it's okay. The bead blasting shouldn't affect the fit or function.

Pablo

From: Jean-Luc Menard
Sent: Wednesday, July 10, 2013 4:42 AM
To: Pablo Bravo
Cc: Eric Downing
Subject: Part Finish

Hi Pablo,
See attached.
Is this part finish acceptable?
Part is still to get anodized and primed.
Let me know,
THX
JL

Jean-Luc Ménard
Production Engineering Supervisor

DART AEROSPACE
T 1 613 632-5200 > 227
F 1 613 632-5246
1 800 556- 4166
www.dartaerospace.com



Eric Downing

From: Pablo Bravo
Sent: Wednesday, July 10, 2013 8:44 AM
To: Jean-Luc Menard
Cc: Eric Downing
Subject: RE: 647.9315 PART MARKING

JL,

Ink is an acceptable alternative.

Pablo

From: Jean-Luc Menard
Sent: Wednesday, July 10, 2013 5:42 AM
To: Pablo Bravo
Cc: Eric Downing
Subject: 647.9315 PART MARKING

Hi Pablo,
Me again,would ink stamping be an acceptable deviation vs laser engraving that the dwg calls for?
If this is acceptable,I will issue an ecr.
THX
JL

Jean-Luc Ménard
Production Engineering Supervisor

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A.T.G. Industries Inc.
731, rue Industrielle Rd.
PLATING DEPARTMENT
Rockland, On K4K 1T2
Canada
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Fax: (613) 446-4556

Pack List

Number: 62520

Date: 22-Jul-13

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Ship To


DART AEROSPACE LTD
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Ph: 613-632-5200

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	10 PCS 646.3311 9 PCS 647.9315 HARD ANODIZE BLACK MIL-A-8625 TYPE III CLASS 2		
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